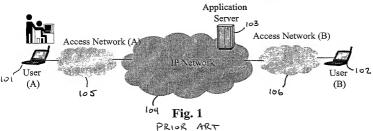
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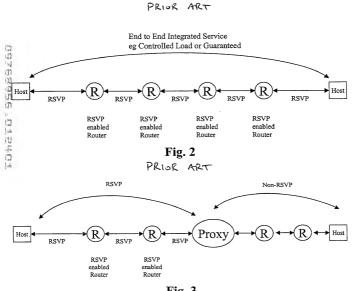


Fig. 3 PRIOR ART

APPLN. FILING DATE: JANUARY 24, 2001 TITLE: RSVP HANDLING IN 3G NETWORKS INVENTOR(S): INA WIDEGREN APPLICATION NO.: UNASSIGNED

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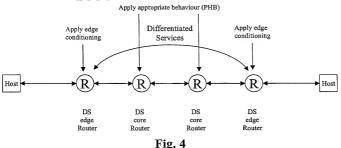


Fig. 4 PRIOR ART

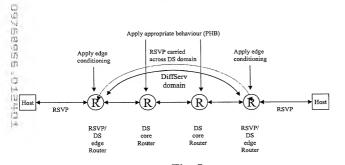


Fig. 5 PRIOR ART

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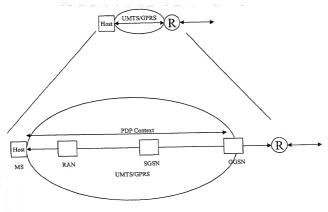


Fig. 6 PRIOR ART

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INVENTOR(S): INA WIDEGREN APPLICATION NO.: UNASSIGNED

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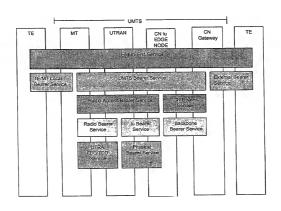


Fig. 7 PRIOR ART

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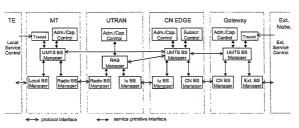


Fig. 8 PRIOR ART

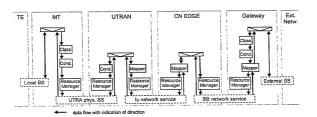


Fig. 9 PRIOR ART

INVENTOR(S): INA WIDEGREN

APPLICATION NO.: UNASSIGNED

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Traffic class	Conversational class conversational RT	Streaming class streaming RT	Interactive class Interactive best effort	Background Background best effort	
Fundamental characteristics	Preserve time relation (variation) between information entitles of the stream  Conversational pattern (stringent and low delay)	Preserve time relation (variation) between information entities of the stream	Request response pattern     Preserve payload content	Destination is not expecting the data within a certain time     Preserve payload content	
Example of the application	- voice	- streaming video	- Web browsing	- background download of emails	

Fig. 10 PRIOR ART

Traffic class	Conversational	Streaming	Interactive	Background
Maximum bit rate	X	X	X	X
Guaranteed bit rate	X	X		
Delivery order	X	X	X	X
Maximum SDU size	X	X	x	X
SDU format info *)	X	X		
SDU loss ratio	X	X	X	X
Residual bit error ratio	X	X	X	X
Delivery of erroneous SDUs	X	X	X	x
Transfer delay	X	X		
Traffic handling prio			X	
Allocation/ Retention priority	X	X	X	X
Source statistics descriptor *)	X	X		

<sup>\*)</sup> Parameter differs depending on if it is a UMTS BS description or a RAB service description

Fig. 11 PRIOR ART

INVENTOR(S): INA WIDEGREN APPLICATION NO.: UNASSIGNED

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Traffic class	The traffic class label contains a lot of information itself			
Maximum bit rate	Used for downlink code reservation, policing and shaping towards external networks			
Guaranteed bit rate	Used for admission control and resource reservation			
Delivery order	Used to settle whether PDUs have to be buffered and re- ordered in order to be in sequence at the output of the system			
Maximum SDU size	Used for admission control and policing			
SDU format info *)	RLC configuration. If information of all possible SDU sizes is given, then RLC can be transparent (in case no ARQ is needed).			
SDU loss ratio	Used for ARQ configuration, Error detection configuration on L1 (CRC)			
Residual bit error ratio	Choice of channel coding, error detection on L1			
Delivery of erroneous SDUs	Is the NW allowed to discard packets in case of erroneous checksum?			
Transfer delay	The delay is used to determine whether ARQ shall/can be used or not. Also used for transport format settings.			
Traffic handling priority	For differentiate interactive service class for scheduling purposes			
Allocation/ Retention priority	Used for admission control and settlement in case of congestion, i.e. who to admit and who to discard.			
Source statistics descriptor *)	This information that gives the possibility to use statistics at admission control, e.g. speech and DTX.			

<sup>\*)</sup> Parameter differs depending on if it is a UMTS BS description or a RAB service description

Fig. 12 PRIOR ART

Packet filter attribute	Valid o	ombinatio	on types
Source Address and Subnet Mask	Х	Х	Х
Protocol Number (IPv4) / Next Header (IPv6)	×	×	
Destination Port Range	×		l
Source Port Range	Х		
IPSec Security Parameter Index		Х	
TOS (lpv4) / Traffic Class (IPv6) and Mask	Х	Х	Х
Flow Label (IPv6)	i		×

Fig. 14 PRIOR ART

INVENTOR(S): INA WIDEGREN APPLICATION NO.: UNASSIGNED

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PDP context storage \_----PDP context #1, TFT 1 PDP context #2, TFT 2 PDP address

PDP context #3 no TFT

Fig. 13 PRIOR ART

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PDP address @

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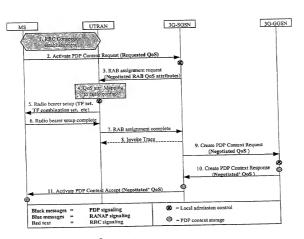


Fig. 15 PRIOR ART

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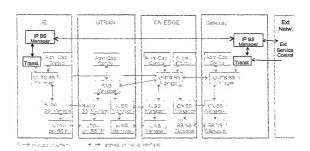
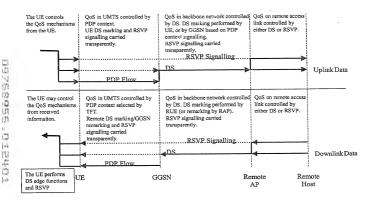


Fig. 16 PRIOR ART

INVENTOR(S): INA WIDEGREN

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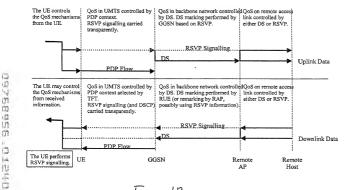


Fig. 18

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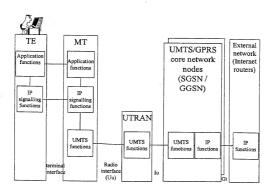
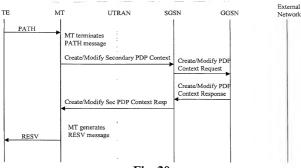


Fig. 19

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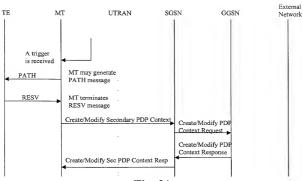


Fig. 21

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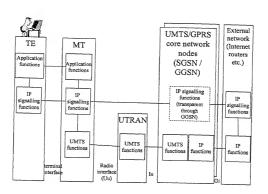


Fig. 22

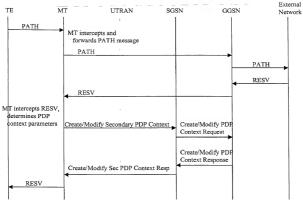


Fig. 23

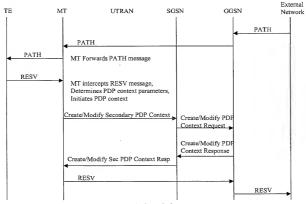


Fig. 24

INVENTOR(S): INA WIDEGREN

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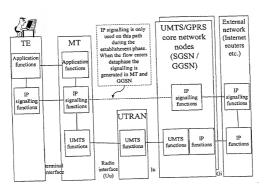


Fig. 25

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INVENTOR(S): INA WIDEGREN

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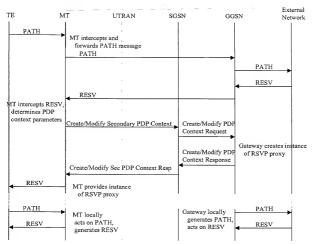


Fig. 26

External

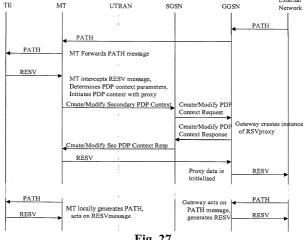


Fig. 27

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INVENTOR(S): INA WIDEGREN

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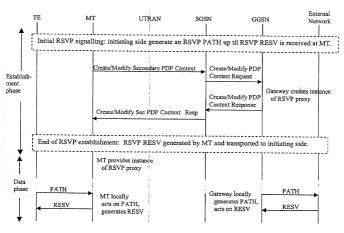


Fig. 28

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INVENTOR(S): INA WIDEGREN APPLICATION NO.: UNASSIGNED

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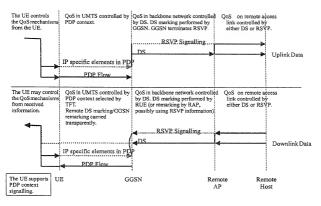


Fig. 29

INVENTOR(S): INA WIDEGREN

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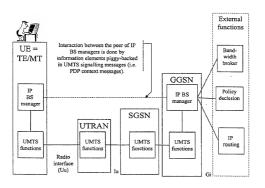


Fig. 30

INVENTOR(S): INA WIDEGREN APPLICATION NO.: UNASSIGNED

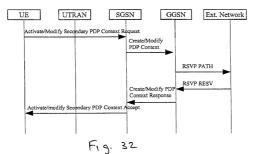
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UE **External IP Network** GGSN Towards the Remote IP BS IP bearer IP BS SLA Access Remote Man. Man. Access Translation UMTS bearer Function GTP tunnel (CN bearer service) RAB Scope of PDP Context (primary/secondary)

Fig. 31

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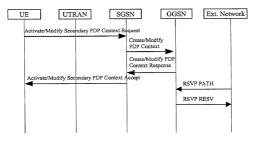


Fig. 33

INVENTOR(S): INA WIDEGREN
APPLICATION NO.: UNASSIGNED

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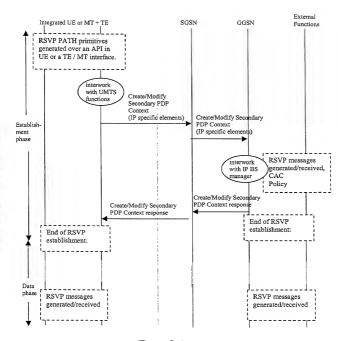
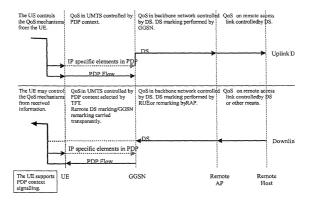


Fig. 34

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